

Listing of Claims

1. (Currently Amended) A receptor-ligand complex comprising a receptor component containing GPCR135 having an amino acid sequence selected from SEQ ID NO: 12, SEQ ID NO: 13, and SEQ ID NO: 15 or an active fragment of GPCR135 bound to a ligand component containing human, rat, or mouse relaxin3 or an active fragment of relaxin3, wherein at least one of the receptor and ligand components is in a substantially pure form.

2. Canceled.

3. (Original) The receptor-ligand complex of claim 1, wherein said ligand component bears an ^{125}I radioisotope label.

4. Canceled.

5. Canceled.

6. Canceled.

7. (Original) The receptor-ligand complex of claim 1, wherein both said receptor component and said ligand component are in a substantially pure form.

8. Canceled.

9. (Original) The receptor-ligand complex of claim 1, wherein said at least one of the receptor and ligand components is in a substantially pure form as a product of isolation, peptide synthesis, or recombinant expression.

10. Canceled.

11-30. Canceled.